

```
1 class First extends Thread
2 {
3     public void run()
4     {
5         System.out.println("this is my first thread\t");
6         for(int i=1;i<=5;i++)
7         {
8             System.out.println(i);
9         }
10        try
11        {
12            Thread.sleep(500);
13        }
14        catch(InterruptedException ie)
15        {
16            System.out.println(ie);
17        }
18    }
19 }
20 class Second extends Thread
21 {
22     public void run()
23     {
24         System.out.println("This is my second tread:\t ");
25         for(int i=1;i<=5;i++)
26         {
27             System.out.println(i);
28         }
29        try
30        {
31            Thread.sleep(500);
32        }
33        catch(InterruptedException ie)
34        {
35            System.out.println(ie);
36        }
37    }
38 }
39 }
```

```
40 public class Main
41 {
42     public static void main(String[] args)
43     {
44         First f=new First();
45         f.start();
46         Second s=new Second();
47         s.start();
48     }
49 }
50 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

☐ Interactive

CommandLine Arguments

 Execute



Result

compiled and executed in 1.746 sec(s)

```
this is my first thread
1
2
3
4
5
This is my second tread:
1
2
3
4
5
|
```

```
1 class sync1 extends Thread
2 {
3     synchronized void mult1()
4     {
5         System.out.println("Thread 1");
6         for(int i=1;i<=10;i++)
7         {
8             System.out.println(i+"*"+"5"+"="+i*5);
9         }
10    }
11 }
12 class sync2 extends Thread
13 {
14     synchronized void mult2()
15     {
16         System.out.println("Thread 2");
17         for(int i=1;i<=10;i++)
18         {
19             System.out.println(i+"*"+"2"+"="+i*2);
20         }
21    }
22 }
23 }
24 public class SampleThread
25 {
26     public static void main(String[] args)
27     {
28         sync1 s1=new sync1();
29         sync2 s2=new sync2() ;
30         s1.mult1();
31         s2.mult2() ;
32         |
33     }
34 }
```

Thread 1

$$1*5=5$$

$$2*5=10$$

$$3*5=15$$

$$4*5=20$$

$$5*5=25$$

$$6*5=30$$

$$7*5=35$$

$$8*5=40$$

$$9*5=45$$

$$10*5=50$$

Thread 2

$$1*2=2$$

$$2*2=4$$

$$3*2=6$$

$$4*2=8$$

$$5*2=10$$

$$6*2=12$$

$$7*2=14$$

$$8*2=16$$

$$9*2=18$$

$$10*2=20$$

|